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(54) Title: METAL OXIDE DISPERSION, METAL OXIDE ELECTRODE FILM, AND DYE SENSITIZED SOLAR CELL

(57) Abstract: A metal oxide dispersion comprising metal oxide particles with a necking structure, and a solvent, wherein the liquid droplet contact angle of the metal oxide dispersion to an ITO film (Indium-Tin Oxide type film) formed is from 0 to 60°. A metal oxide dispersion for the production of a dye-sensitized solar cell electrode, comprising Metal Oxide Particle Group F having a necking structure formed by m connected particles, Metal Oxide Particle Group G having only 0.2µm or less connected particles, and a solvent, and being formable into a film at 200°C or less. A metal oxide electrode comprising an electrically conducting substrate having thereon a metal oxide layer comprising metal oxide particles bound by a binder, wherein the binder content is from 0.005 to 5 mass% based on the metal oxide film and the metal oxide layer has a pencil scratch strength of H or more according to JIS5600.

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